

MIDWESTERN STATE UNIVERSITY  
DENTAL HYGIENE PROGRAM  
ORAL PATHOLOGY DNHY 4003

## **COURSE SYLLABUS (FALL 2023)**

**COURSE:** ORAL PATHOLOGY DNHY 4003

**DAY/TIME:** Monday & Wednesday  
8-9:30 AM

**LOCATION:** Centennial Hall, Room #103

**INSTRUCTOR:** Ray H. Hyde DDS, FICOI, FAGD Associate Professor

**Office:** Centennial Hall, Room #128  
Telephone: 940-397-4650 Text: 940-704-7847  
Email: ray.hyde@msutexas.edu

**Office Hours:** Mon, Wed & Thurs 1-5:00 PM  
Friday 8-12:00  
(Or by appointment)

### **COURSE**

#### **DESCRIPTION: As published in the most current MSU Catalog (2022-2023)**

Introduction of the principles of human disease including pathogenesis, clinical appearance, and treatment. In certain instances, microscopic features will be discussed if they enhance the understanding of the disease process. A portion of the course is devoted to basic principles of general pathology with an emphasis on the dental hygienist's role in recognition of oral disease.

### **COURSE**

**PURPOSE:** The purpose of this course is to establish a basis for the rational approach to clinical examination of patients. This requires a fundamental knowledge of oral and paraoral lesions as well as sufficient knowledge of systemic conditions to allow comprehensive evaluation of medical histories and formulation of a differential evaluation of oral conditions. Development of critical thinking skills in these areas will provide for the appropriate disposition of patients relative to treatment planning and for appropriate referral where necessary.

### **REQUIRED**

**TEXTS:** Oral Pathology for the Dental Hygienist, 7<sup>th</sup> Ed, Ibsen & Phelan

Color Atlas of Common Oral Diseases, 5<sup>th</sup> Ed, Langlais & Miller

## KEY

- CONCEPTS:**
1. Introduction to general pathology relating to causative factors to clinical manifestations of systemic diseases.
  2. Study of gross and microscopic lesions of the teeth and related oral tissues.
  3. Emphasis placed on degenerative changes, dental caries and its sequela, mucous membrane pathology and neoplasia

## COURSE

**OBJECTIVES:** Given lecture, discussion and slide identification, upon successful completion of this course the student should be able to:

1. Define and appropriately use terminology related to the study of general and oral pathology.
2. Evaluate and analyze cardiovascular disorders and determine how they might affect dental hygiene treatment planning.
3. Describe the inflammatory process; differentiate between regeneration and repair.
4. Recognize and describe physical and chemical injuries of the oral tissues.
5. Explain the role of the immune response in controlling disease and in causing disease.
6. Describe clinical findings of autoimmune diseases that affect the oral cavity.
7. Differentiate bacterial, fungal, and viral infectious diseases.
8. Recognize and describe developmental disorders of the oral cavity.
9. Summarize the characteristics of the different neoplasms.
10. Compare benign and malignant tumors.
11. Identify the etiologies of squamous cell carcinoma.
12. Describe the complications associated with the treatment of squamous cell carcinoma.
13. Define the patterns of inheritance and describe inherited disorders/chromosomal abnormalities that affect the oral cavity and face.
14. Describe the oral manifestations of systemic diseases including; endocrine disorders, diseases of bone, blood disorders and immunodeficiency.
15. Identify lesions and oral manifestations of local and systemic diseases from presented clinical findings and histories.

SPECIFIC OBJECTIVES ARE PRESENTED FOR EACH CONTENT AREA/CLASS SESSION.

## COURSE

### EVALUATION:

#### HOMEWORK ASSIGNMENTS:

Homework for each chapter will be assigned in advance. These will be due at the BEGINNING of the class session in which that chapter will be discussed. There is a combined total of 70 responses for the semester. Each response will have a value of one point. Homework assignments turned in late will be degraded by 50%. The total homework credit will be added to the required library assignment to equal one (1) examination.

#### LIBRARY ASSIGNMENT:

This course requires a paper on **BIOPSY**. The topics discussed in this paper must include:

1. Definition of the term biopsy
2. Rationale for biopsy
3. Biopsy techniques most commonly used in the oral cavity. Must include A through D
  - A. Incisional Biopsy
  - B. Excisional Biopsy
  - C. Exfoliative Cytology
  - D. Brush Biopsy
4. Compare and contrast biopsy procedures discussed in item #3.

5. Identify who makes the biopsy based diagnosis
  6. Identify who is responsible for interpreting and acting on the biopsy results
- At least two (2) sources (other than your textbook) must be cited. Internet sources acceptable.
  - Paper must be typewritten and double spaced
  - **DUE DATE:** Thursday November 8, 2023
- The credit value of the Library Assignment paper is 25 points. To receive full credit (25 points) each of the topics listed above must be analyzed and/or explained. The combined credit earned on the Homework Assignments and the Library Assignment will equal one (1) examination.

**EXAMINATIONS:**

Three (3) examinations including the final will be given during the semester. Each examination will be comprehensive from the first class session, but will emphasize the material presented since the last examination. The final examination will be a composite exit exam including all Fall semester Dental Hygiene courses.

**FINAL EXAMINATION (Senior 3<sup>rd</sup> Semester Exam):**

Is a 4-hour examination which will serve as the combined final exam for each of the courses offered in the 3<sup>rd</sup> semester of the dental hygiene curriculum; Pathology, Dental Hygiene 3 and Dental Health Education. The exam will consist of two sections: (1) approximately 150 multiple choice questions covering the content of the courses listed above and (2) a case based portion.

The case based portion of the exam (50-75 items) will incorporate content from **ALL** dental hygiene courses from the first, second and third semesters. The case based portion will be figured into the final exam as bonus points. This format, rather than individual course final exams, will more effectively assess the student's ability to combine didactic and clinical content, as well as aid in preparing the student for the National Board Dental Hygiene Exam.

**Final Exam Grading:** Students will receive a grade on Part I based on the 50 multiple choice items pertaining directly to PATHOLOGY CONTENT. Points earned on Part 2's case based items pertaining to Pathology will be added to Part I as bonus points to determine the final exam grade for this course. The values of Part 2 items will be determined by the individual course instructor. Therefore, the points earned for Part 2 items will vary between courses.

**MAKE-UP EXAMINATIONS**

Students missing an examination due to illness will be allowed to make up the exam on the day of their return to school. No grade higher than a 90 will be given for a make-up examination. Students will be allowed to make up only one (1) exam per semester.

**Water bottles, cell phones, hand-held calculators/computers are not allowed in the room during any examination. Possession of any of these items during an exam will be construed as academic dishonesty and will be dealt with accordingly.**

**FINAL COURSE GRADE WILL BE BASED ON THE FOLLOWING-**

EXAMINATIONS (THREE) EACH WORTH 25% = 75% OF FINAL COURSE GRADE  
 HOMEWORK AND BIOPSY REPORT  $\frac{= 25\%}{100\%}$

**DENTAL HYGIENE PROGRAM GRADING SCALE**

92-100 = A  
 83-91 = B  
 75-82 = C  
 65-74 = D

**75 AVERAGE IS THE MINIMUM ACCEPTABLE GRADE  
 FOR SUCCESSFUL COMPLETION OF THIS COURSE**

## PHONE

**USE:** Cell phone use (texting or verbal) is extremely disruptive to your fellow classmates and to the faculty teaching your course. Therefore, the use of cell phones will not be tolerated, FOR ANY REASON. If you utilize your cell phone it will be confiscated for the remainder of the scheduled day. Repeat offenders will be asked to leave the classroom and will be required to meet with the faculty and the chair of the Dental Hygiene Department. In cases of emergencies, please notify spouses, family and friends to contact you via the program secretary at 397-4764.

## ATTENDANCE:

**More than two (2) absences for any reason will result in a loss of 5 points from final course grade for EACH absence over the allowed 2.** In cases of extreme illness and/or hospitalization, individual decisions may be made. Two (2) tardies will be the equivalent of one (1) absence. Students must be present for the entire class period to get credit for a class session. Students leaving class early will be counted as absent.

## ACADEMIC DISHONESTY

### Dental Hygiene Honor System:

**All Dental Hygiene courses adhere to the MSU Code of Conduct.** In particular, academic dishonesty, however small, creates a breach in academic integrity. A student's participation in this course comes with the expectation that his or her work will be completed in full observance of the MSU Code of Student Conduct. A student should consult the current Student Handbook for answers to any questions about the code.

Many components of dental hygiene courses are designed to be highly interactive with students helping each other learn. Students are encouraged to take full advantage of many resources available including course resources, Internet sites, other textbooks and journals, faculty, and peers when answering objectives. This interactive collegial learning environment is conducive for life-long learning.

Cheating includes, but is not limited to, (1) use of any unauthorized assistance in taking quizzes, tests, or examinations; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or completing other assignments; or (3) the acquisition of tests or other academic materials belonging to the university faculty or staff without permission.

Plagiarism includes, but is not limited to, the use of, by paraphrase or direct quotation without correct citation in the text and on the reference list, the published or unpublished works of another person. Students may NOT submit papers and assignments that they have previously submitted for this or other courses. The use of materials generated by agencies engaged in "selling" term papers is also plagiarism. Students are encouraged to review the tutorials and suggested websites for more information about plagiarism.

Academic dishonesty (cheating, plagiarism, etc.) will not be tolerated in this class. Whenever a student is unsure of whether a particular situation will be interpreted as academic dishonesty, he/she should ask the instructor for clarification. If students are guilty of academic dishonesty, a grade of zero (0) will be given for the quiz, assignment, etc. Cases may also be referred to the Dean of Students for possible dismissal from the university.

### PLEASE NOTE

***By enrolling in this course, the student expressly grants MSU a "limited right" in all intellectual property created by the student for the purpose of this course. The "limited right" shall include but shall not be limited to the right to reproduce the student's work product in order to verify originality and authenticity, and for educational purposes. Specifically, faculty may submit student papers and assignments to an external agency to verify originality and authenticity, and to detect for plagiarism***

## MSU COHSHS Student Conduct Appeals Committee

All Midwestern State University (MSU) students may legitimately appeal a course grade if 1) the student has not be evaluated according to the same criteria as his or her classmates, or 2) an error has been made in grading and/or posting (MSU Student Handbook, p. 37.) In addition, the Office of the Dean of Students has the responsibility to enforce standards of conduct for students as outlined in the MSU Student Handbook (p. 70-80).

When enrolled in the College of Health Sciences and Human Services (COHSHS), students are often assigned to community agencies, such as health care facilities, social service agencies, or athletic environments, as part of their academic process. During these experiences, the student is expected to behave in a manner required of professionals working in this environment. COHSHS students may also be required to successfully complete a licensing/certification process following graduation. As a result, students in these programs are often held to a different academic and/or behavioral standard than students in other MSU programs. For example, students may not be allowed to progress in a program if they have been unsuccessful (D or F) in a certain number of courses in the major. In these circumstances, COHSHS faculty and administration, all of whom have had similar professional experience, may make decisions which negatively impact students' programmatic progress.

COHSHS students have a right to a review of decisions made by the program faculty, which prevent individuals from progressing in their program in a timely manner. However, those who participate in the review must understand the context of the professions involved. Therefore, **issues concerning the professional conduct of students in the COHSHS will NOT be brought to the University Grade Committee, but to the COHSHS Student Conduct Appeals Committee.** Specifically, the COHSHS Student Conduct Appeals Committee will review faculty decisions related to:

- Student conduct in a clinical experience, internship, or other work-related environment that negatively impacts the student's academic progress. This conduct may include behavior which is prohibited by licensing and/or professional standards or departmental policy.
- Student removal from a program because of a) professional conduct issues or b) failure to maintain academic standards required specifically by the program\*

**SEE COHSHS WEB SITE FOR A COMPLETE COPY OF THIS POLICY**

### **The Americans with Disabilities Act:**

Midwestern State University does not discriminate on the basis of an individual's disability and complies with Section 504 and the Americans with Disabilities Act in its admission, accessibility, and employment of individuals in programs and activities. MSU provides academic accommodations and auxiliary aids to individuals with disabilities, as defined by law, who are otherwise qualified to meet academic employment requirements. For assistance call (940) 397-4618 or (940) 397-4515. It is the student's responsibility to declare any disabilities. After declaration, preferably at the beginning of each semester, the student needs to contact individual instructors to determine any reasonable accommodations that may be required.

### **Campus Carry**

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes has prohibited. The new Constitutional Carry law does not change this process. Concealed carry still requires a License to Carry permit, and openly carrying handguns is not allowed on college campuses. For more information, visit [Campus Carry](#).

### **Active Shooter**

The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by MSU Police Department regarding the options and strategies we can all use to stay safe during difficult situations. For more information, visit [Safety / Emergency Procedures](#). Students are encouraged to watch the video entitled "Run. Hide. Fight." which may be electronically accessed via the University police department's webpage: ["Run. Hide. Fight."](#)



Dates	Activity	Assignment
Week 1 8/24 to 26	1 Introduction to Preliminary Diagnosis Read the Chapters Review Instructor Notes	Homework on Terms Pathology Identification
Week 2 8/31 to 9/2	1 Variations of Normal & Benign 2 Inflammation & Repair Read the Chapters Review Instructor Notes	Homework on Terms Pathology Identification
Week 3 9/7 to 9/9	2 Tissue Response to Injury Read the Chapter Review Instructor Notes	Homework Pathology Identification
Week 4 9/14 to 9/16	2 Injury to Oral Soft Tissue 3 Immunologic Lesions Read the Chapters Review Instructor Notes	Homework Pathology Identification
Week 5 9/21 to 9/23	3 Autoimmune Diseases Read the Chapter Review Instructor Notes	Homework Pathology Identification
Week 6 9/28 to 9/30	3 Autoimmune Lesions Read the Chapter Review Instructor Notes	Exam 1 9/30
Week 7 10/5 to 10/7	4 Infectious Diseases - Bacterial, Fungal & Viral Read the Chapter Review Instructor Notes	Exam 1 debrief Pathology Identification
Week 8 10/12 to 10/14	4 Infectious Diseases - HIV & AIDS 5 Developmental Disorders Read the Chapters Review Instructor Notes	Homework Pathology Identification



Dates	Activity	Assignment
Week 9 10/19 to 10/21	5 Developmental Disorders Read the Chapters Review Instructor Notes	Homework Pathology Identification
Week 10 10/26 to 10/28	6 Genetics Read the Chapter Review Instructor Notes	Homework due Chapt 5 10/26 Pathology Identification
Week 11 11/2 to 11/4	6 genetics Read the Chapters Review Instructor Notes	Biopsy paper due 11/2 Exam 2 11/4
Week 12 11/9 to 11/11	9 Systemic Disease Read the Chapters Review Instructor Notes	Exam 2 debrief Pathology Identification
Week 13 11/16 to 11/18	9 Systemic Disease 7 neoplasia Read the Chapters Review Instructor Notes	Homework Pathology Identification
Week 14 11/23 to 11/25	7 Neoplasia Read the Chapters Review Instructor Notes	Exam 3 Comprehensive 11/25
Week 15 11/30 to 12/2	7 Neoplasia Read the Chapters Review Instructor Notes	Exam 3 debrief
Week 16 12/7	Pathology Identification	Course Critique